



DEFENSE RESEARCH & ENGINEERING

Information For The Warfighter



2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006

Open Source Enterprise

We're all a part of it!

April 4, 2006

Ms. Bonnie Klein
Moderator
bklein@dtic.mil



Speakers



2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006 Conference 2006

- Ms. Judith Bylicki
Open Source Center (OSC)
- Ms. Maria Ruckman
Joint Warfare Analysis Center
- Mr. Robert E. (Ed) Waller
U.S. Army Foreign Military Studies Office



Director of National Intelligence

Open Source Cent

The DNI Open Source Center

Information to Intelligence

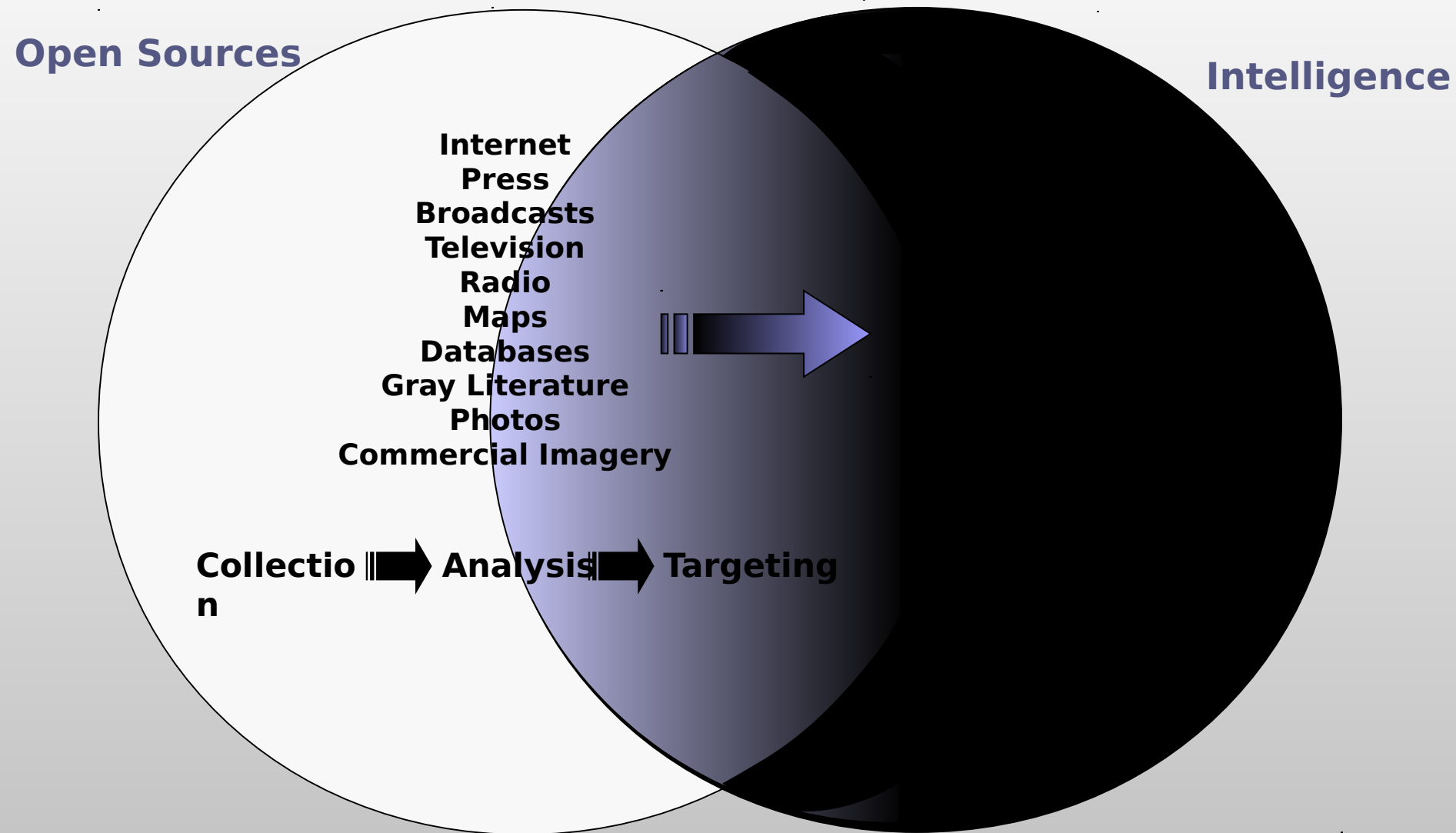
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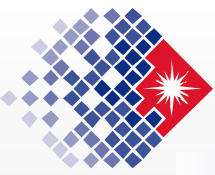


Director of National Intelligence

Open Source Center

Open Source and Intelligence





Intelligence Reform and Terrorism Prevention Act of 2004

“It is the sense of Congress that

“(1) the Director of National Intelligence should establish an intelligence center for the purpose of coordinating the collection, analysis, production, and dissemination of open source intelligence to elements of the intelligence community;

(2) open source intelligence is a valuable source that must be integrated into the intelligence cycle to ensure that United States policymakers are fully and completely informed; and

(3) the intelligence center should ensure that each element of the intelligence community uses open source intelligence consistent with the mission of such element.”



Recommendation

7.9

Establish a directorate to enhance **availability** of open source information to the IC

WMD Commission Report:

"Establish an Open Source Directorate in the CIA responsible for collecting and storing open source information, and developing or incorporating commercial tools to assist users in data searches—including those in foreign languages. "

Recommendation

8.2

Create a cadre of analysts **expert** in finding and using unclassified, open source information

Recommendation 8.3

Establish a program to acquire **information technology** to prioritize and exploit large volumes of data without the need for prior human translation or transcription



Vision: A distributed, but *managed* enterprise focused on...

All open sources

Integration with an all-source Intelligence strategy

Aligning resources with priorities, return on investment

Networking open source holdings and expertise

Economies of scale

Testing new workflows, technologies

Centralize what makes sense to centralize:

Capability

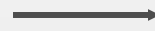
Support mission-specific investment, application:

Capacity



Key Objectives

Buy/collect/translate/produce once; enable access throughout



Quality, speed, cost-effectiveness

Train Community-wide open source cadre



Consistent tradecraft, specialized mission impact

IT Sponsor



Efficiency; integration of new technology; fusion with classified data

Broker external expertise



Shared knowledge

Technology and workflow testbed

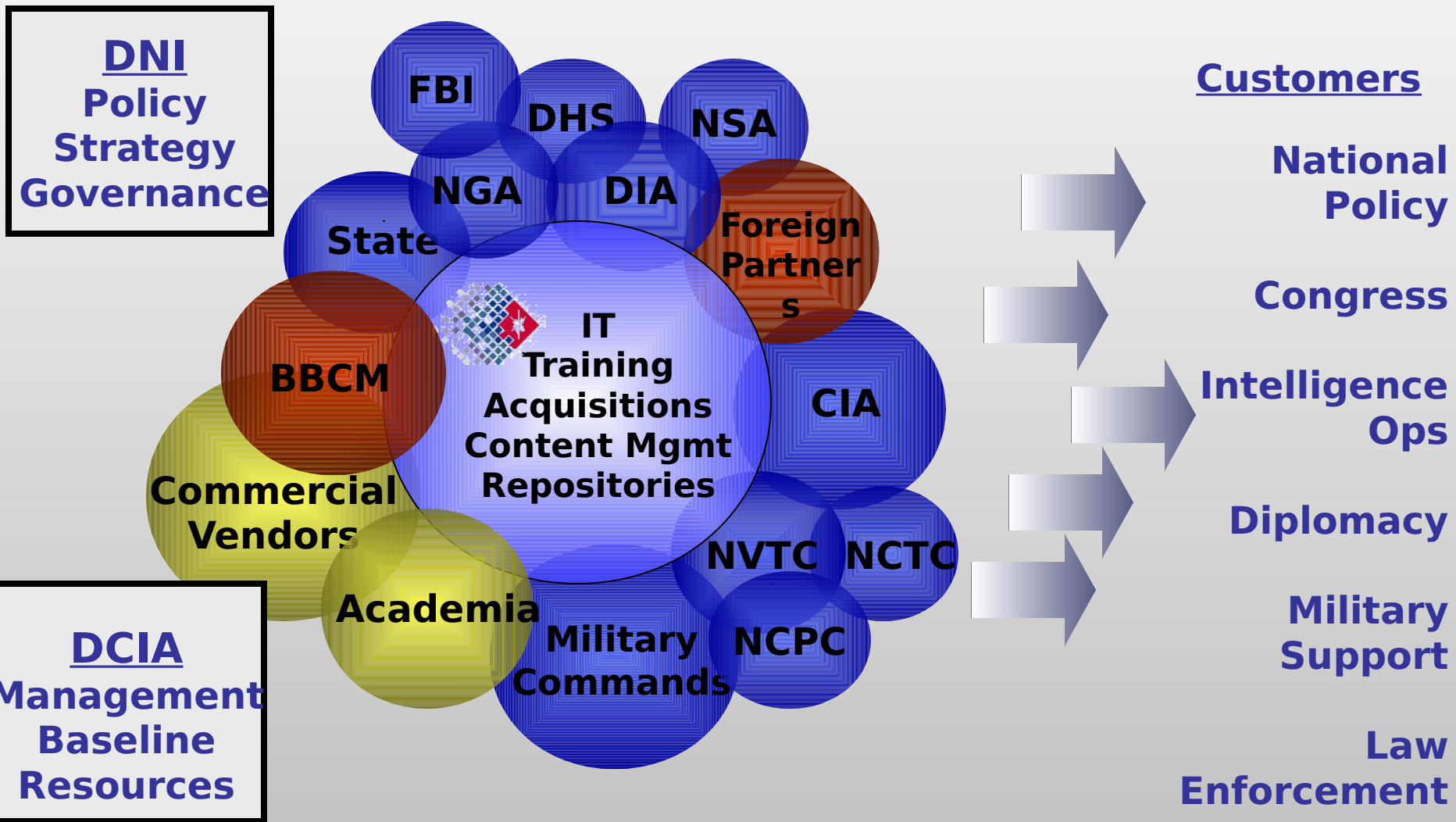


Environment of continuous change



Director of National Intelligence

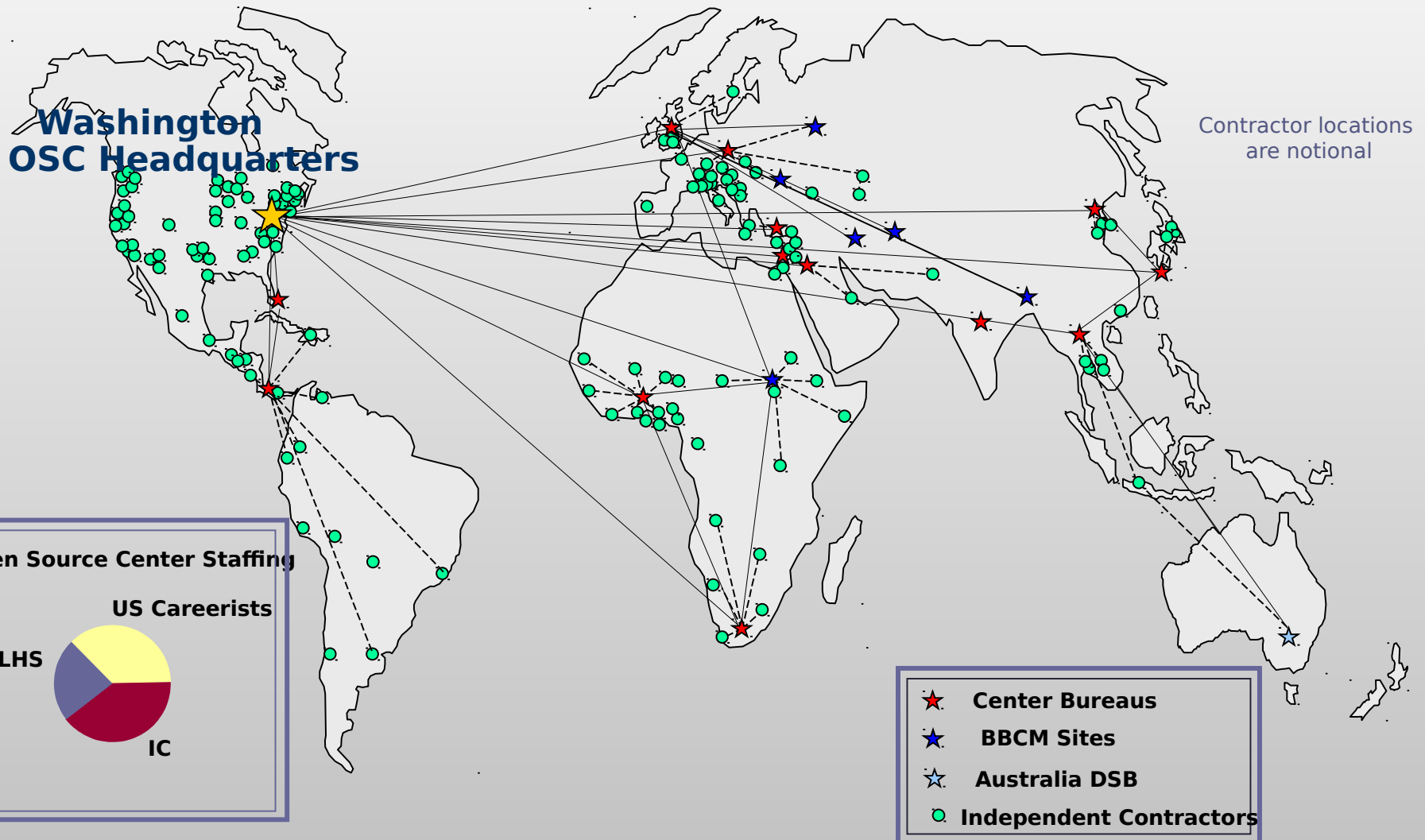
Open Source Center Building the Open Source Enterprise





Director of National Intelligence

Open Source Center Global Operations: The Baseline





Information Access: Tailored Response (Pull)

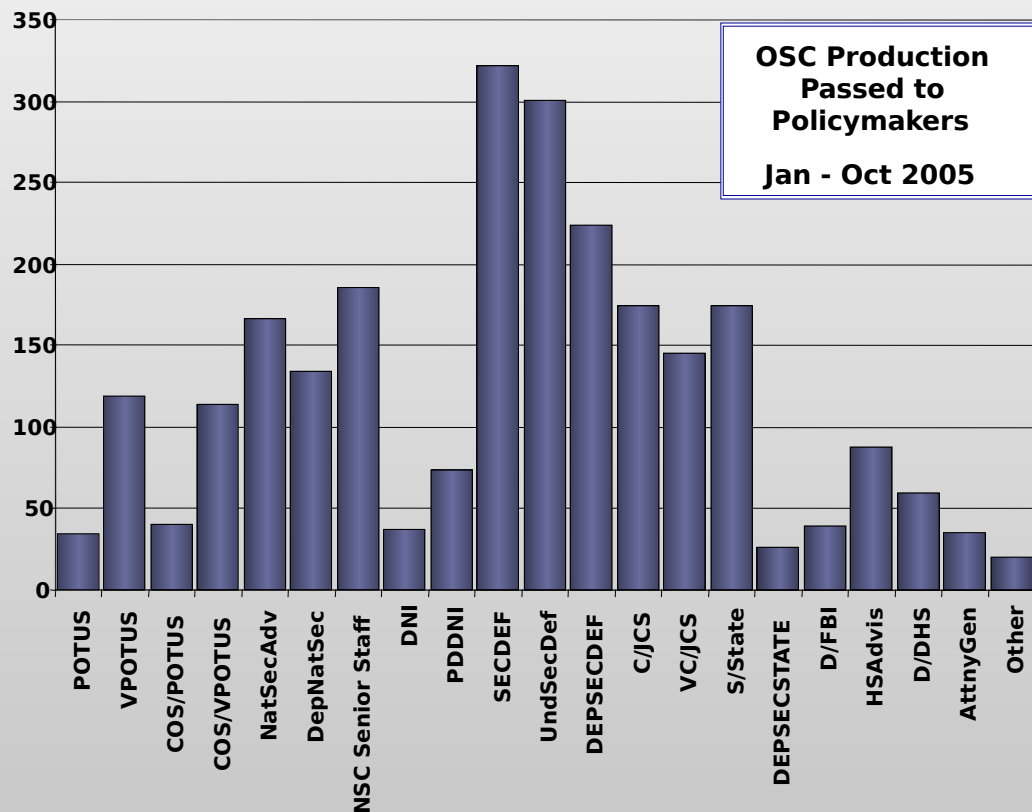


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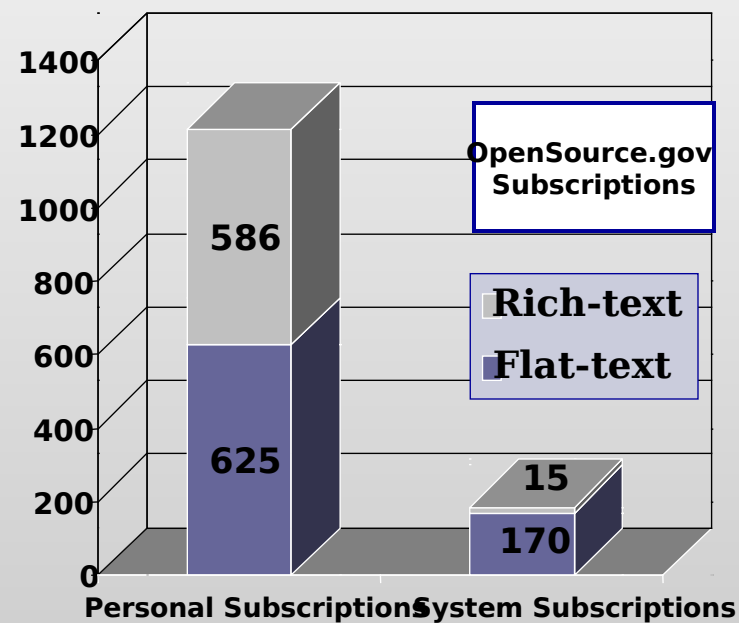


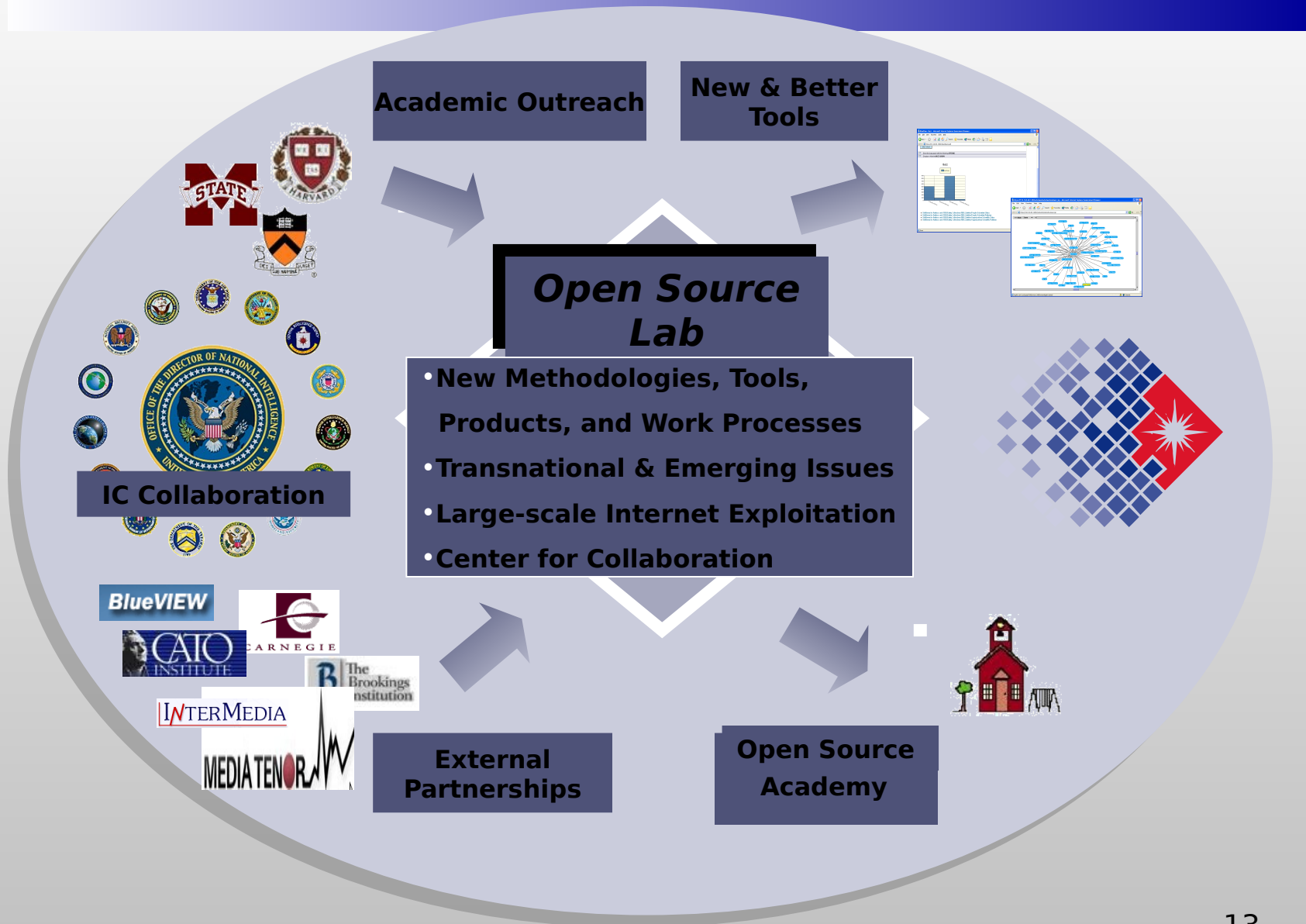
Open Source Information Access: Tailored Response (Push)

High Level...



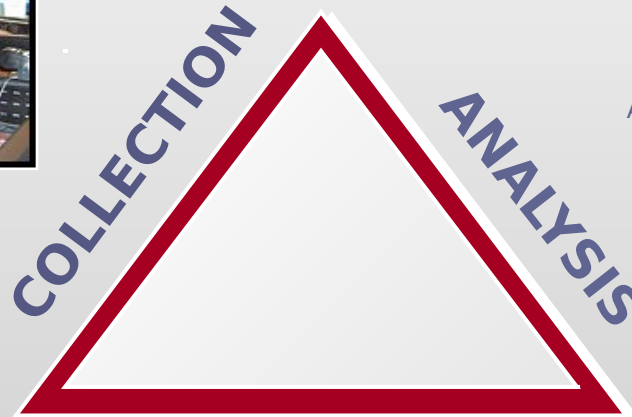
...and working level



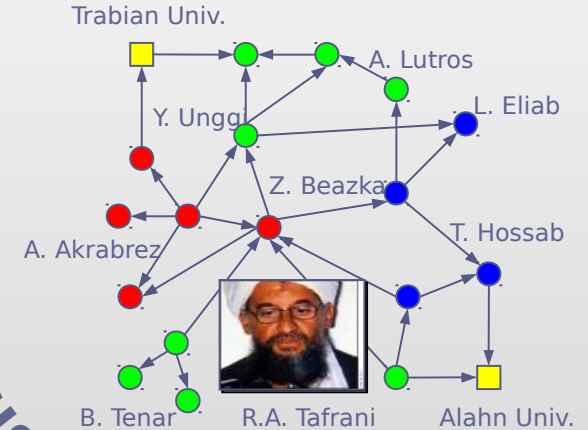




“All-Source Fusion for Timely Operational Intelligence”



OPERATIONS





We lead corporate programs to recruit, develop, and manage the Open Source Center workforce and to propagate Open Source Tradecraft across the IC.

Recruitment

t



Partnerships

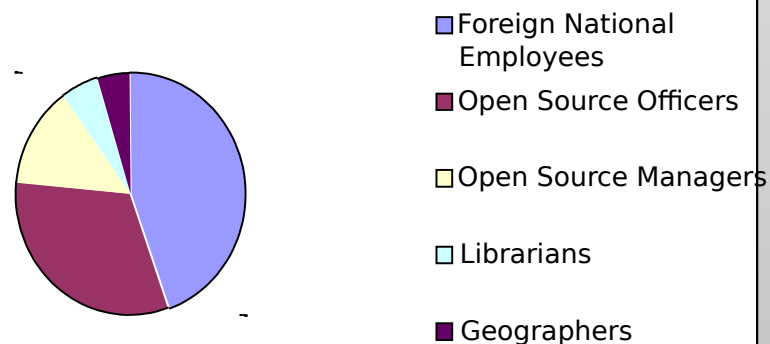
- Employee Exchanges (e.g. NSA, State, DIA, FMSO)
- Joint Course Development/Delivery (e.g. OSSC members, George Mason U.)

Training and Development

Jan 03 – Sep 05

- 2,327 Seats Filled
--251 from outside Open Source Center
- Grew Course Titles from 6 to 21

Performance Management





Director of National Intelligence

Open Source Cent

Products With

act



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Open Source Center

Executive Summary

China: Media Indicate Growing Concern, Mobilization, on Avian Flu

Signaling growing official concern about the threat of avian flu infections, party leaders have convened national security meetings, designated outbreak areas, and launched a national mass media campaign. The SARS crisis in 2003, including demanding greater



Director of National Intelligence

Open Source Center

Media Aid

Terrorism: Ana al-Muslim Website Serves as Forum for Jihadist Statements



Open Source Center

Analysis

Pakistan: Officials Acknowledge Resurgence of "Local Taliban" in Waziristan

Recent statements by Pakistani officials acknowledge a deteriorating security situation in the North and South Waziristan Agencies in Pakistan's Federally Administered Tribal Areas bordering Afghanistan and the involvement of jihadist militants in local efforts to uphold order. Independent media are reporting that the army and other law enforcement agencies are abdicating their role in maintaining order in the region. The lack of public comment by President Musharraf and the failure of government-run PTV to report on the issue suggest the authorities are still struggling to find measures to improve the situation in Waziristan.

Some Pakistani officials' recent statements acknowledging the deteriorating security situation suggest that the government has concluded that it cannot plausibly deny media reporting on increasing jihadist militant activity in the border region. Some officials denied the resurgence of local Taliban, while others praised militants for helping to sustain law and order against banditry.

-- Pakistani Interior Minister Aftab Ahmed Khan Sherpao, while denying reports of a "regrouping of Taliban" on both sides of the Pakistan-Afghanistan border, claimed that "The recent wave of lawlessness in South Waziristan is a reaction of the local population against robberies in the area" (*The*

at www.muslim.net, has been an exceptionally busy site since January 2005. The website does not seem to be a repository of other material, although more postings do appear to be disruptions. The Open Source Center (OSC) has identified a variety of jihadist and Iraqi insurgent groups, including the [Army of Jihad Organization in the Land of the Two Rivers] Rafidayn] and the Ansar al-Sunnah Army.

There is a total of over 34,000 members. The forums deal with a variety of nonreligious, and do not seem to be geared towards religious. There is no dedicated forum for the posting of





Open Source Cent FY 2006 Community Priorities

FY06 Investment Priorities

Increase Community Data Purchases

Establish Community Open Source Training Capability

Rehost OpenSource.gov on Classified Systems (SIPRNet, JWICS)

Coordinate Acquisition for Large-Scale Internet Exploitation

Begin to Scale 'DAVE' (Digital Audio/Video Enterprise) for
Community Access

Key Objectives

We will sustain and grow current (FY05) levels of service and
production to customers

We will position ourselves to help the US Government work more
effectively and efficiently.

We will be recognized across the US Government as experts in
open source exploitation.



Open Source Intelligence

Interested in the best of open source intelligence? Do you want your products to reach a wider US Government audience? Visit us on the Internet at www.fbis.gov (www.opensource.gov after 1 May 2006).

Requirements:

OSC collection plans reside on Intelink-TS within the Open Source Requirements Management System (OSRMS) site at: <http://cres.cia.ic.gov/oshome.nsf/welcome>

Analysts wishing to task OSC for collection should contact their unit's designated POC for open source requirements. The POCs are listed on the OSRMS site.

Training:

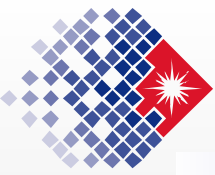
The Open Source Academy (OSA) welcomes participants from all government organizations including the armed forces. To request information on OSA's other services, please contact the OSA Registrar at 703/613-5090.

Questions:

Please contact the OSC Customer Service Center at: (202) 338-6735 or by e-mail at:

Internet: oscinfo@rccb.osis.gov

IWICS: assist@idiss.cia.ic.gov



Director of National Intelligence

Open Source Cent

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bylicki@cia.ic.gov

What's New in DoD Open Source?

Maria Ruckman -- JWAC

Ed Waller -- DNI-CIO/ICES

Army Open Source...

- ◆ The Army Open Source Practitioners Group
- ◆ Open Source Training
- ◆ FMSO GIS-based Research Project
- ◆ NGIC's HARMONY Program coming to OSIS
- ◆ Asian Studies Detachment products

USAF Open Source...

◆ NASIC continues development of Machine Translation capabilities – 18 languages

◆ PORTAL system:

- CIRC database system – 10,000,000 all-source bibliographic records with abstracts
- 8,500,000 open source records 1960's – 1995

◆ PORTAL database system – 144,000 records and counting, full-text records with graphics

- 1995 to present
- Available via NASIC OSIS and NASIC Intelink-TS home pages

IC Open Source...

- ◆ Appointment of ADDNI-OS.
- ◆ Formation of Open Source Center
- ◆ Expansion of Open Source Information System (OSIS) capabilities:
 - NIPRNet – OSIS Interconnection
 - SSL remote access capability

ICLC and Open Source

- ◆ Promote IC and DoD libraries for their wealth of open source resources and their librarians for expertise in research, information organization and retrieval
- ◆ Provide content recommendations to other IC and DoD groups such as the OSC, DOSC, and DPC

ICLC Initiatives

- ◆ 2004 Open Source Resource Survey
- ◆ 2005 Position paper on funding electronic content resources
- ◆ 2005 Virtual Reference – “Ask A Librarian”
- ◆ 2006 Position paper on ICLC framework within the National Open Source Strategic Plan

JFCOM Open Source

- ◆ Collaboration with the Open Source Center (OSC) on large scale internet exploitation
- ◆ Participation in open source working groups such as the Defense Open Source Council (DOSC), and the Intelligence Community Librarians Consortium (ICLC) to promote open source collaboration

Collaboration with non-IC Partners

- ◆ Joint Forces Staff College Library
- ◆ Naval Research Laboratory Ruth H. Hooker Research Library
- ◆ Marine Corps University Library
- ◆ Defense Technical Information Center (DTIC)
- ◆ Library of Congress



Joint Forces Staff College Library

◆ The library's online materials catalog is called JFSC Library Catalog. The JFSC Library Catalog also includes the collection of the National Defense University (NDU) Library.

The library's online journal index is called SCAMPI (Staff College Automated Periodicals Index). SCAMPI is available at the Defense Technical Information Center (DTIC) website.

The MERLN (Military Education Research Library Network) website represents United States military education libraries, United States Department of Defense Regional Center libraries and their international counterpart libraries in a comprehensive website devoted to international military education outreach.

◆ JFSC Library Catalog

◆ SCAMPI - on-line journal index

◆ MERLN - cooperative union catalog hosted by NDU for MECC libraries



Traditional library services

- ◆ 1,500+ print journal collection (60k volumes) back to 1800
- ◆ 50k SciTech books/conference proceedings
- ◆ Nearly 2M research reports (thru Secret)
- ◆ Professional reference/literature search services

Digital library services

- ◆ 3,000+ online journals (50% of entire print collection online)
- ◆ TORPEDO *Ultra* digital archive – 7M articles locally loaded (14 publishers)
- ◆ 180k research reports digitized
- ◆ 10k eBooks
- ◆ All major SciTech reference tools available @ desktop (Web of Science, Scopus, SciFinder, INSPEC, etc.)
- ◆ Online Bibliography of NRL authored publications (60k records)

Library of the Marine Corps

◆ LIBRARY OF THE MARINE CORPS

- BRECKINRIDGE LIBRARY
- QUANTICO LIBRARY
- ARCHIVES & SPECIAL COLLECTIONS

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- ***Meeting the Life-Long Research Needs of Marines World Wide***

Defense Technical Information Center (DTIC)



DTIC

- **Science and Technology DoD Wide**
- **Science and Technology Web Sites**
- **DoD Web Sites**
- **Other Search Engines**
- **Federated Search**



DTIC Science and Technology Search DTIC collection. Options Sort by: *Can't find a particular site in the results?* [Click here to submit your site.](#)



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Library of Congress

 **Researchers**
Reference tools and services

 **American Folklife Center**

- Archives of American folklore and folk culture

 **Geography and Map Reading Room**

- Research relating to cartography and geography, plus historic maps.

 **Prints and Photographs Reading Room**

- Almost 14 million photos, prints, drawings and architectural records

 **Science, Technology Reference Service**

European Reading Room

All Reading Rooms and Research Centers

Search the Library Catalog

 **Databases, Electronic Resources**

- **Hold, Reserve Services**

 **Hours of Operation**

 **InterLibrary Loan**

 **Maps, Floor Plans**

 **Orientation Classes**

 **Preparing for Your Visit**

 **Reader Registration**

 **Security**

 **Travel Information**

 **Ask a Librarian**

 **Braille and Audio Materials**

 **Collection Guides, Bibliographies**

 **Digital Collections, Programs**

 **Law Researchers**

 **Library Catalogs**

 **Ordering Reproductions**

 **Research Centers**

 **Research, Reference FAQs**

 **Search Options**

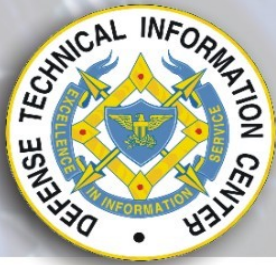
 **Virtual Programs, Services**

 **Webcasts for Researchers**

 **Accessibility**

Moving Ahead with DoD Open Source

- ◆ Continue to engage in open source forums with OSC, DIA, DOSC, ICLC, etc.
- ◆ Support DoD open source content needs via enterprise solutions
- ◆ Collaborate with non-IC, DoD open source institutions
- ◆ Support libraries as key open source resources



Defense Research & Engineering ***Information for the Warfighter***



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Questions?